

Science

Science

Earth Science



Earth's Weather and Seasons

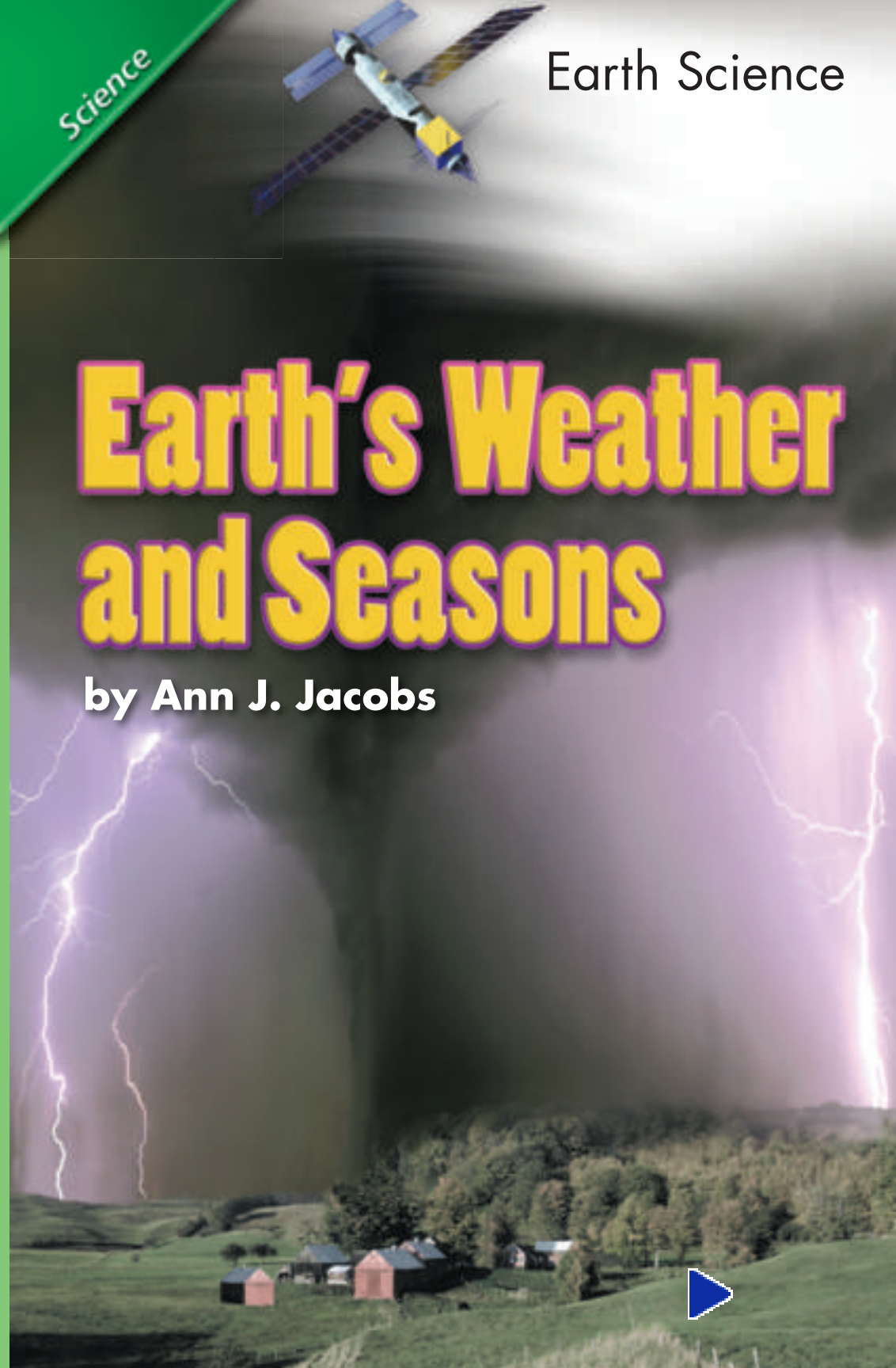
by Ann J. Jacobs

| Genre | Comprehension Skill | Text Features | Science Content |
|------------|---------------------|-------------------------------------------------------------------------------------------------|-----------------|
| Nonfiction | Draw Conclusions | <ul style="list-style-type: none">• Captions• Diagram• Glossary | Weather |

Scott Foresman Science 2.6



scottforesman.com



Vocabulary

condense

evaporate

hibernate

hurricane

lightning

migrate

tornado

water cycle

Photographs: Every effort has been made to secure permission and provide appropriate credit for photographic material. The publisher deeply regrets any omission and pledges to correct errors called to its attention in subsequent editions. Unless otherwise acknowledged, all photographs are the property of Scott Foresman, a division of Pearson Education. Photo locators denoted as follows: Top (T), Center (C), Bottom (B), Left (L), Right (R) Background (Bkgd)

Opener: (Bkgd) ©Jim Zuckerman/Corbis; (TC) ©Taxi/Getty Images; ©Macduff Everton/Corbis, (TR) Getty Images; (Bkgd) ©Bill Ross /Corbis; Title Page: ©The Image Bank/Getty Images; 2 (Bkgd) ©Otto Rogge/Corbis, ©Bill Ross/Corbis; 3 ©DK Images; 4 (CL) ©Richard Hamilton Smith/Corbis, (CR) ©Phil Schermeister/NGS Image Collection; 5 ©Stone/Getty Images; 6 ©Sam Abell/NGS Image Collection; 8 (B) ©Photographer's Choice/Getty Images, ©Tom Brakefield /Corbis; 9 (BL) ©The Image Bank/Getty Images, (T) ©Dennis MacDonald/PhotoEdit, (BR) ©Taxi/Getty Images; 10 ©John Conrad/Corbis; 11 (TL) ©James Schwabel/Panoramic Images, Chicago, (TR) ©Michael Boys/Corbis, (CC) ©D. Robert and Lorri Franz/Corbis; 12 ©Gary W. Carter/Corbis; 13 (TL) ©Stone/Getty Images, ©Lowell Georgia/Corbis; 14 ©Marty Stoufer/Animals Animals/Earth Scenes; 15 (TL) ©Photographer's Choice/Getty Images, (CL) ©Photodisc Green/Getty Images, (CL) ©Comstock Images/Getty Images; 17 ©A & J Verkaik/Corbis; 19 ©Alan. R. Moller/Getty Images; 21 ©The Image Bank/Getty Images; 22 (BR) ©James Schwabel/Panoramic Images, Chicago, (T) ©The Image Bank/Getty Images; 23 ©Photodisc Green/Getty Images.

ISBN: 0-328-13784-7

Copyright © Pearson Education, Inc.

All Rights Reserved. Printed in the United States of America. This publication is protected by Copyright and permission should be obtained from the publisher prior to any prohibited reproduction, storage in a retrieval system, or transmission in any form by any means, electronic, mechanical, photocopying, recording, or likewise. For information regarding permissions, write to: Permissions Department, Scott Foresman, 1900 East Lake Avenue, Glenview, Illinois 60025.

3 4 5 6 7 8 9 10 V010 13 12 11 10 09 08 07 06 05



Earth's Weather and Seasons

by Ann J. Jacobs





What are some kinds of weather?

You wake up.

How do you know what to put on?

Check the weather!



Weather is what it is like outside.

Is it hot, or is it cold?

Look up at the sky.

Look at the tree branches.

Are they moving?

Is there wind?



Flying a kite on a windy day is fun!

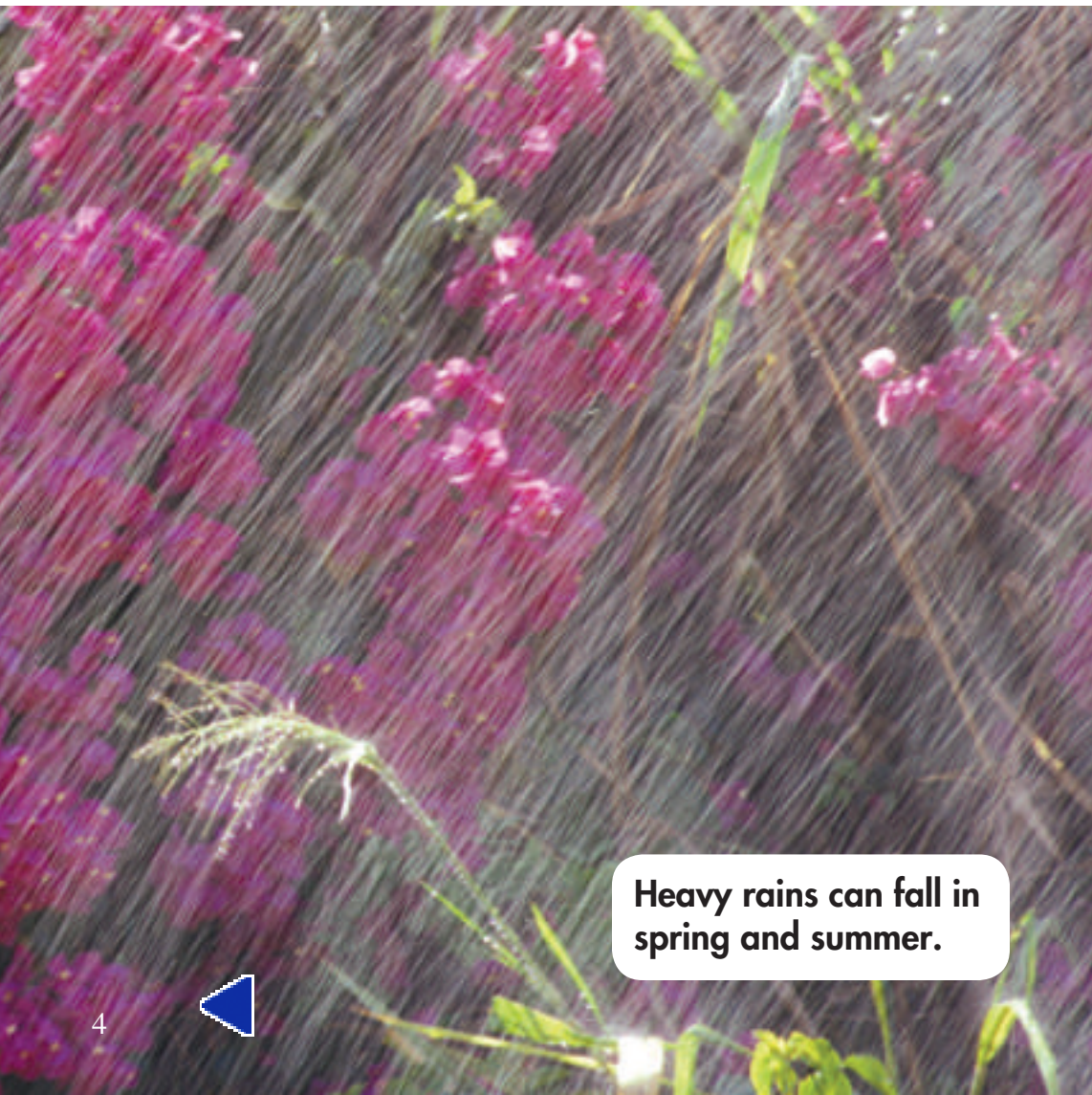




Wet and Dry Weather

Rain, sleet, and snow are all wet weather. Clouds help tell what kind of weather is coming.

Clouds are made of many drops of water. When the clouds get full, the drops fall.



Heavy rains can fall in spring and summer.



Water from clouds can fall as rain, snow, or sleet.

Snow and sleet fall when the air is cold.

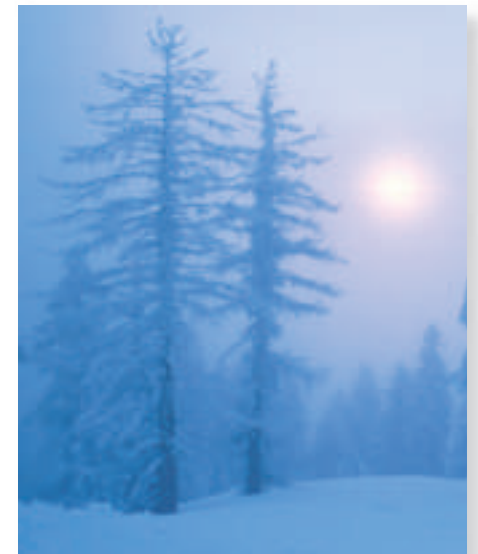
Rain falls when the air is warm.

Sometimes rain does not fall for a long time. This is called a drought.

There is no water for plants and animals when this happens.



Some plants cannot live in a drought.



Some places get snow in winter.





What is the water cycle?

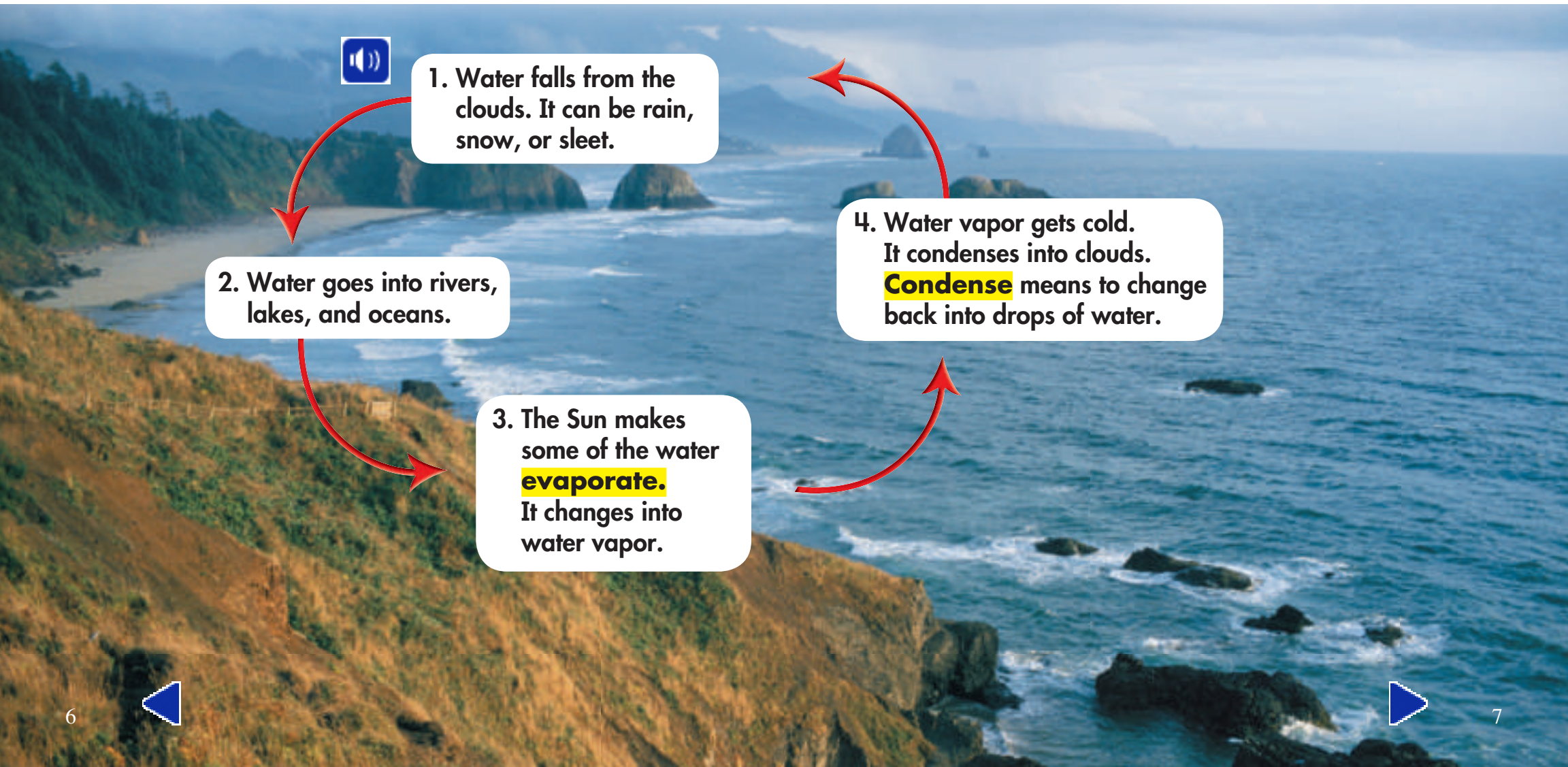
Water moves in a circle.

This is called the **water cycle**.

Water falls from clouds to Earth.

Then it moves back up to the clouds.

Look at the four steps of the water cycle.





What is spring?

Weather can change with the seasons.

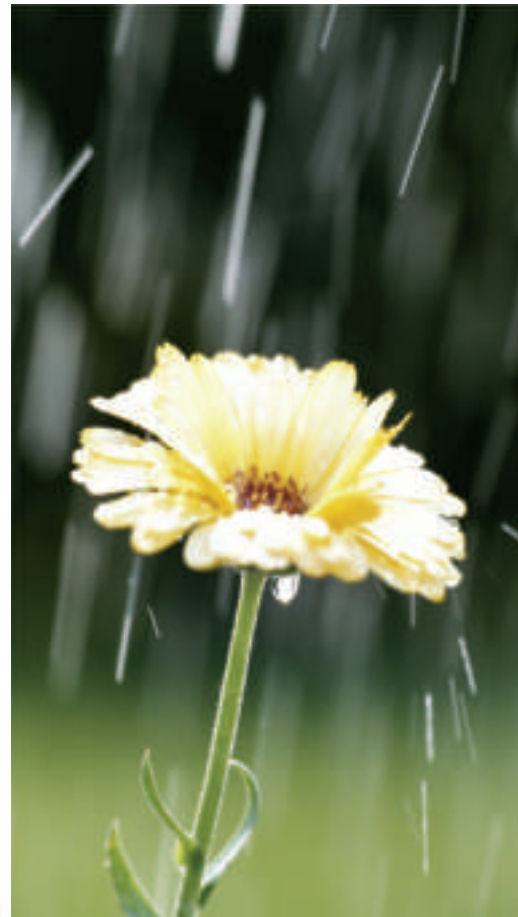
Some spring days are cool.

Some spring days are warm or rainy.

Plants grow in the spring.

Many animals have babies.

A deer and her
baby in the spring.





What is summer?

Summer comes after spring.

Summer can have hot days and warm nights.

Green leaves grow on many trees and plants.

Flowers, fruits, and vegetables grow.



You can see animal families in the summer.





What is fall?

Fall comes after summer.

In fall the air gets cooler.

Some leaves change colors.

Some animals look for food for the winter.

Other animals **migrate**, or go to a warmer place.



In fall, some animals find food for the winter.





What is winter?

Winter comes after fall.

Winter can be very cold.

It may snow.

Ponds and streams may turn to ice.

Some animals **hibernate.**

They sleep all winter and wake up in the spring.



Bears hibernate in the winter.





What are some kinds of bad weather?

A thunderstorm is one kind of bad weather.

A thunderstorm has lots of wind and rain.

A thunderstorm has thunder.

It has lightning.

Lightning is a flash of light in the sky.



Thunderstorm Safety!

- Go inside.
- Keep away from water.
- Keep away from things made of metal.
- Do not stand under a tree.
- Do not use a phone.
- Keep away from electrical things.





Tornadoes

A **tornado** is a very strong wind.
A tornado comes down from the clouds.
It looks like a funnel.
A tornado breaks everything in its path.



Tornado Safety!

- Get inside a closet or a bathroom.
- Sit under the stairs.
- Keep away from windows.
- Keep away from water.
- Keep away from things made of metal and things that are electric.
- Cover your head.
- If you are outside, lie flat on the ground.





Hurricanes

A **hurricane** is a big storm.

A hurricane starts over warm ocean water.

The rain from a hurricane can make a flood.

A hurricane has strong winds.

The winds can blow down trees and buildings.



Hurricane Safety!

- Move to a place away from the ocean.
- Cover up windows.
- Bring things inside.
- Keep drinking water with you.
- Make sure your flashlight and radio work.
- Stay inside.
- Stay away from windows.





Weather changes from season to season.
Some weather is wet.
Some weather is dry.
Some weather is hot.
Some weather is cold.




Some weather is not safe.
Some weather is fun.
What is the weather like today?



Glossary

| | |
|--------------------|---------------------------------------------------------------------|
| condense | to change into small drops of water |
| evaporate | to change into water vapor |
| hibernate | to have a long, deep sleep during winter |
| hurricane | a strong windstorm that starts over warm ocean water |
| lightning | a flash of light in the sky |
| migrate | to move to a warmer place |
| tornado | a strong wind that comes down from the clouds |
| water cycle | the way water moves from the clouds to Earth and back to the clouds |

What did you learn?

1. What happens to plants in the fall?
2. What do animals do when they *migrate*?
3. **Writing in Science** Water moves in a cycle. Write to explain what this means. Use words from the book as you write.
4.  **Draw Conclusions** Which do you think is more dangerous, a thunderstorm or a tornado? Why?

